

CITY OF ST. CHARLES

ORDINANCE NO. 1993-M-51

AN ORDINANCE AMENDING TITLE 12, "STREETS, SIDEWALKS AND
PUBLIC PLACES," CHAPTER 12.30, "STREET IMPROVEMENTS,"
OF THE ST. CHARLES MUNICIPAL CODE

ADOPTED BY THE

CITY COUNCIL

OF THE

CITY OF ST. CHARLES

THIS 4TH DAY OF OCTOBER, 1993

PUBLISHED IN PAMPHLET FORM BY
AUTHORITY OF THE CITY COUNCIL
OF THE CITY OF ST. CHARLES,
KANE AND DU PAGE COUNTIES,
ILLINOIS, THIS 8TH DAY OF
OCTOBER, 1993


CITY CLERK

(S E A L)

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PUBLIC PLACES," CHAPTER 12.30, "STREET IMPROVEMENTS,"
OF THE ST. CHARLES MUNICIPAL CODE

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ST.
CHARLES, KANE AND DUPAGE COUNTIES, ILLINOIS, as follows:

1. THAT TITLE 12, "Streets, Sidewalks and Public Places,"
Chapter 12.30, "Street Improvements," of the St. Charles
Municipal Code be and is hereby amended by deleting Section
12.30.060, "Standards for Street Construction," and substituting
the following therefore:

"12.30.060 Standards for street construction.

- A. All technical standards for street improvements shall be in accordance with the "Standard Specifications for Road and Bridge Construction," adopted July 1, 1988 by the Illinois Department of Transportation, three copies of which are and have been on file in the city clerk's office for at least thirty days prior to the adoption of this ordinance, which specifications are incorporated herein by reference unless otherwise superceded by this title and sometimes referred to herein "Standard Specifications." (Ord. 1990-M-41 § 2; Ord. 1984-M-71 § 2.)
- B. Roadbed construction
 - 1. Right-of-way Grading - The contractor shall grade the total right-of-way width to final grade.
 - 2. Subgrade - Prior to placing any type of base material, the subgrade shall be inspected and approved by the director of public works or his designee. Twenty-four hours advance notice shall be required for such inspections.

The use of a fabric R underliner such as "Tygar" or approved equal, or other stabilization measures may be permitted by the director of public works if the subgrade does not have sufficient bearing capacity as measured by the Illinois bearing ratio test. Minimum Illinois bearing ratios are set forth in Section 16.20.060, Table I, of the St. Charles Municipal Code. A fabric shall not be

- considered an incremental element in design for a pavement's structural number.
3. **Base Course** - Base course materials acceptable to the city include aggregate, bituminous and concrete base courses. The aggregate base course shall be type B with a CA6 gradation. For concrete streets, Section 304 of Standard Specifications shall apply.
 4. **Bituminous Concrete Binder and Surface Course** - Bituminous concrete binder and surface course, shall be Class B modified or Class "I" Mixture C or Class B modified for the surface course.
 5. **Portland Cement Concrete Pavement** - The concrete mix shall be uniform throughout and shall contain no less than five percent (5%) nor more than seven percent (7%) entrained air by volume. Concrete in place in the form of finished pavement shall have a minimum of six percent (6%) entrained air.

The minimum twenty-eight (28) day compressive strength shall be four thousand pounds per square inch (4,000 psi). Test cylinders shall be taken and the certified compression test reports submitted to the director of public works.

Curing of newly laid pavement shall be type III of Article 625.01 of Standard Specifications or as approved by the director of public works.

6. **Protective Coat** - All Portland cement concrete pavements, curbing, sidewalk and other concrete construction shall receive a protective coat in accordance with the Standard Specifications.
7. **Curbing** - Concrete gutter and combination concrete curb and gutter shall be constructed in accordance with Standard Drawings 3 or 4 attached hereto and made a part hereof. Construction joints shall be placed at ten (10') foot (min.) on centers and shall be saw cut to a minimum depth of two (2") inches from front to back of gutter and combination curb and gutter. Contraction joints shall be in place within 24 hours of concrete placement. Three quarter (3/4") inch thick premolded joint filler or bituminous premolded joints shall be installed at 50 foot intervals. Combination curb and gutter shall be depressed at sidewalk ramps for the handicapped in accordance with Standard Drawing 12.30.060.06 attached hereto and made a part hereof. Curbing materials shall be in accordance with Paragraph 12.30.060 B.5 of the St. Charles Municipal Code.

8. **Shoulder** - Shoulder materials acceptable to the city include aggregate and bituminous concrete. Aggregate shall be type B with a CA6 gradation. Bituminous concrete shoulder shall be Class B modified. The bituminous concrete shoulder shall include a base course, in accordance with Paragraph 12.30.060 B.2 of the St. Charles Municipal Code.
- C. **Sidewalk Construction** - Sidewalk shall be Portland cement concrete in accordance with the material called for in paragraph 12.30.060 B.2 of the St. Charles Municipal Code, and in accordance with Standard Drawing 5 attached hereto and made a part hereof. Sidewalk shall be five (5') feet wide minimum along all collector and major streets and four (4') feet wide minimum along all minor streets and a minimum five (5") inches thick, six (6") inches thick where driveways are located if known prior to sidewalk construction. The base course shall be three (3") inches thick of compacted aggregate. Granular base courses shall be CA6 gradation. All sidewalks shall be provided with handicap accessible concrete approach ramps at all intersections, in accordance with Standard Drawing 12.30.060.06 attached hereto and made a part hereof.
- D. **Temporary Turn Around Construction** - Temporary turn around shall be constructed in accordance with Section 12.30.060B of the St. Charles Municipal Code.
- E. **Parkway Construction** - Parkway construction shall be in accordance with Standard Drawing 5 attached hereto and made a part hereof.
 1. The parkway between the sidewalk and curb shall provide cross-drainage to the street with a minimum slope 2% ($\frac{1}{4}$ " per 1') based on a combination concrete curb and gutter, and a maximum cross slope of 25% (3" per 1').
 2. The parkway shall be graded, topsoiled with four inches (4") and seeded, Class I, or sodded. when the parkway is constructed at a gradient of ten percent (10%) or greater, then sodding shall be required. Agricultural ground limestone shall not be permitted.
- F. **Drive Approaches**
 1. All new drive approaches shall be Portland cement concrete or bituminous concrete, Class I or B modified respectively, in accordance with Standard Drawing 7 attached hereto and made a part hereof. Existing bituminous concrete and concrete drive approaches shall be replaced with like materials.

2. Concrete Drive Approaches - shall be six inches (6") Portland cement concrete, non-reinforced with a continuous three quarter inch (3/4") bituminous fiber expansion joint at the sidewalk and at the back of the curb. The surface shall be scored into a five foot (5') grid. This pavement shall be placed on a compacted stone or gravel base to a depth of five inches (5") minimum.
3. Bituminous Drive Approaches - shall include eight inches (8") minimum of compacted crushed gravel (CA-6) base course with two inches (2") minimum bituminous concrete surface course, Class I or Class B modified.

G. **Disposal of Excess Material**

1. Disposal of excess material, excluding topsoil, shall be the responsibility of the contractor. Regarding excess topsoil, the city may elect to have the contractor, with developer approval, stockpile this material for municipal use at a later date."

2. That after the adoption and approval hereof, this Ordinance shall (a) be printed or published in book or pamphlet form, published by the authority of the City Council, or (b) within thirty (30) days after the adoption and approval hereof, be published in a newspaper published in and with a general circulation within the City of St. Charles.

PRESENTED to the City Council of the City of St. Charles, Illinois, this 4th day of October, 1993.

PASSED BY THE City Council of the City of St. Charles, Illinois, this 4th day of October, 1993.

APPROVED by the Mayor of the City of St. Charles, Illinois,
this 5th day of October, 1993.


MAYOR

ATTEST:


CITY CLERK

COUNCIL VOTE:

Ayes: 14

Nays: 0

Absent: 0

12-30-4
disk
9/22/93

TYPICAL SECTION SIDEWALK RAMPS

SIDE FLARE (TYP.-SEE TABLE A)

B-6.12 CURB

DEPRESSED CURB

NOTES:

1. AREA TO BE RESTORED WITH GRASS OR PCC, AT THE DISCRETION OF THE DIRECTOR OF PUBLIC WORKS.

SIDEWALK

RAMP TEXTURE
(SEE BELOW)

R.O.W.

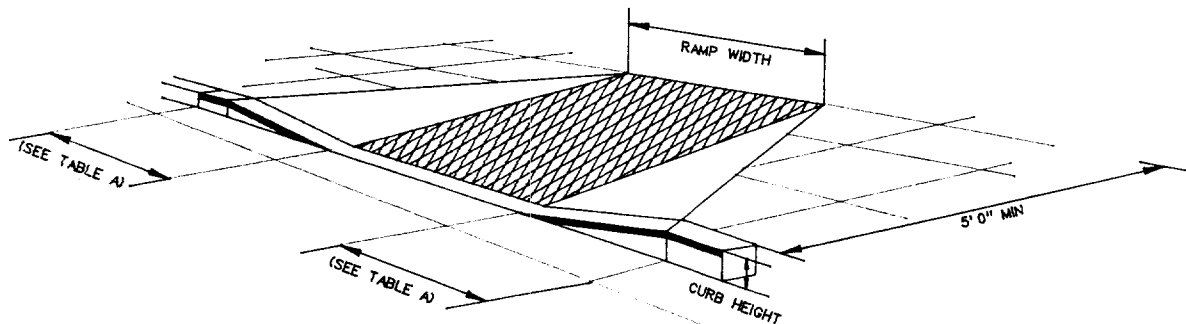
1 IN. PER FT.
MAX. SLOPE

TABLE A

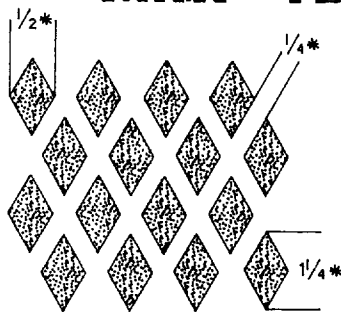
DESIRABLE MINIMUM FLARE
WIDTHS FOR VARIOUS CURB
HEIGHTS

CURB HEIGHTS (INCHES)	FLARE WIDTH (INCHES)
3	30
4	40
5	50
6	60
7	70
8	80
9	90

SIDEWALK RAMP PLAN



RAMP TEXTURE PLAN & DETAIL



RAMP TEXTURE DETAIL

(*NOMINAL DIMENSIONS)

NOTE: 1. TEXTURE SHALL BE PROVIDED FOR A MINIMUM LENGTH OF 5 FEET FROM THE BACK OF CURB. THE WIDTH OF THE TEXTURE SHALL BE THAT OF THE DEPRESSED CURB.

2. THE PAVEMENT SURFACE SHALL BE FLUSH WITH THE GUTTER FLAG FOR THE ENTIRE RAMP WIDTH AND INCLUDING SIDE FLARES.

STATE OF ILLINOIS)
)
) SS.
COUNTIES OF KANE AND DU PAGE)

C E R T I F I C A T E

I, JEAN M. CONNORS, certify that I am the duly elected and acting municipal clerk of the City of St. Charles, Kane and DuPage Counties, Illinois.

I further certify that on October 4, 1993 the Corporate Authorities of such municipality passed and approved Ordinance No. 1993-M-51, entitled An Ordinance Amending Title 12, "Streets, Sidewalks and Public Places," Chapter 12.30, "Street Improvements," of the St. Charles Municipal Code,

which provided by its terms that it should be published in pamphlet form.

The pamphlet form of Ordinance No. 1993-M-51, including the Ordinance and a cover sheet thereof was prepared, and a copy of such Ordinance was posted in the municipal building, commencing on October 8, 199³, and continuing for at least ten days thereafter. Copies of such Ordinance were also available for public inspection upon request in the office of the municipal clerk.

DATED at St. Charles, Illinois, this 5th day of October, 1993.

Jan M. Connors
Municipal Clerk

(S E A L)